

MERPH.001.ST25.txt  
SEQUENCE LISTING

<110> Mercia Pharma LLC  
<120> Methods and Compositions for Treating and Preventing Eotaxin Mediated Inflammatory Conditions  
<130> MERPH.001  
<150> US 60/367,591  
<151> 2002-03-25  
<160> 61  
<170> PatentIn version 3.2  
<210> 1  
<211> 74  
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<213> Homo sapiens

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Lys Ile Pro Leu Gln Arg Leu Glu Ser Tyr Arg Arg Ile Thr Ser Gly  
20 25 30

Lys Cys Pro Gln Lys Ala Val Ile Phe Lys Thr Lys Leu Ala Lys Asp  
35 40 45

Ile Cys Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr  
50 55 60

Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
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<400> 2

Gly Pro Ala Ser Val Pro  
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&lt;223&gt; Eotaxin epitope

&lt;400&gt; 3

Gly Pro Ala Ser Val Pro Thr  
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&lt;210&gt; 4

&lt;211&gt; 8

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&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 4

Gly Pro Ala Ser Val Pro Thr Thr  
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&lt;211&gt; 9

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 5

Gly Pro Ala Ser Val Pro Thr Thr Cys  
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&lt;223&gt; Eotaxin epitope

&lt;400&gt; 6

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys  
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&lt;210&gt; 7

&lt;211&gt; 11

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 7

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe  
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Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu  
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Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn  
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&lt;400&gt; 12

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&lt;210&gt; 13

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 13

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
1 5 10 15

Lys

&lt;210&gt; 14

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 14

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
1 5 10 15

Lys Ile

&lt;210&gt; 15

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 15

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
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Lys Ile Pro

&lt;210&gt; 16

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<400> 16

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
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Lys Ile Pro Leu  
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Lys Ile Pro Leu Gln  
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<400> 19

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<400> 22

Phe Asn Leu Ala Asn Arg Lys Ile Pro Leu  
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<210> 23  
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<400> 23

Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser  
 1 5 10 15

Pro Thr Pro Lys Pro  
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<210> 24  
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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 24

Lys Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro  
 1 5 10 15

Thr Pro Lys Pro  
 20

&lt;210&gt; 25

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 25

Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr  
 1 5 10 15

Pro Lys Pro

&lt;210&gt; 26

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 26

Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro  
 1 5 10 15

Lys Pro

&lt;210&gt; 27

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 27

Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys  
 1 5 10 15

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Pro

<210> 28  
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<220>  
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&lt;400&gt; 28

Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
1 5 10 15

<210> 29  
<211> 15  
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&lt;400&gt; 29

Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
1 5 10 15

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&lt;400&gt; 30

Ser Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
1 5 10

<210> 31  
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&lt;400&gt; 31

Met Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
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&lt;210&gt; 32



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<211> 12  
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<400> 32

Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
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<210> 33  
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<400> 33

Tyr Asp Leu Gln Lys Ser Pro Thr Pro Lys Pro  
1 5 10

<210> 34  
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<400> 34

Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
1 5 10

<210> 35  
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<220>  
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<400> 35

Asp Gln Lys Ser Pro Thr Pro Lys Pro  
1 5

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&lt;400&gt; 36

Gln Lys Ser Pro Thr Pro Lys Pro  
1 5

&lt;210&gt; 37

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 37

Lys Ser Pro Thr Pro Lys Pro  
1 5

&lt;210&gt; 38

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope

&lt;400&gt; 38

Ser Pro Thr Pro Lys Pro  
1 5

&lt;210&gt; 39

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Spacer peptide

&lt;400&gt; 39

Ser Ser Pro Pro Pro Pro Cys  
1 5

&lt;210&gt; 40

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Spacer Peptide

&lt;400&gt; 40

Arg Pro Pro Pro Pro Cys  
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&lt;210&gt; 41

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 Leu Pro Pro Pro Pro Cys  
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<210> 42  
 <211> 28  
 <212> PRT  
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 <220>  
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 <400> 42

Ser Ser Pro Pro Pro Pro Cys Lys Lys Lys Trp Val Gln Asp Ser Met  
 1 5 10 15

Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
 20 25

<210> 43  
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 <220>  
 <223> Eotaxin epitope/spacer  
  
 <400> 43

Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser  
 1 5 10 15

Pro Thr Pro Lys Pro Ser Ser Pro Pro Pro Cys  
 20 25

<210> 44  
 <211> 28  
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 <400> 44

Cys Pro Pro Pro Pro Ser Ser Lys Lys Lys Trp Val Gln Asp Ser Met  
 1 5 10 15

MERPH.001.ST25.txt  
 Lys Tyr Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro  
                   20                                  25

<210> 45  
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<400> 45

Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser  
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Pro Thr Pro Lys Pro Cys Pro Pro Pro Ser Ser  
                   20                                  25

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<400> 46

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
 1                  5                                  10                                  15

Lys Ile Pro Leu Ser Ser Pro Pro Pro Cys  
                   20                                  25

<210> 47  
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<400> 47

Ser Ser Pro Pro Pro Pro Cys Gly Pro Ala Ser Val Pro Thr Thr Cys  
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Cys Phe Asn Leu Ala Asn Arg Lys Ile Pro Leu  
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<210> 48  
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MERPH.001.ST25.txt

&lt;220&gt;

&lt;223&gt; Spacer/Eotaxin epitope

&lt;400&gt; 48

Cys Pro Pro Pro Pro Ser Ser Gly Pro Ala Ser Val Pro Thr Thr Cys  
 1 5 10 15

Cys Phe Asn Leu Ala Asn Arg Lys Ile Pro Leu  
 20 25

&lt;210&gt; 49

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope/Spacer.

&lt;400&gt; 49

Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg  
 1 5 10 15

Lys Ile Pro Leu Ser Ser Pro Pro Pro Pro Cys  
 20 25

&lt;210&gt; 50

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope/Spacer

&lt;400&gt; 50

Ser Gly Lys Cys Pro Gln Lys Ala Val Ile Ser Ser Pro Pro Pro Pro  
 1 5 10 15

Cys

&lt;210&gt; 51

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; spacer/Eotaxin epitope

&lt;400&gt; 51

Cys Pro Pro Pro Pro Ser Ser Ser Gly Lys Cys Pro Gln Lys Ala Val  
 1 5 10 15

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Ile

<210> 52  
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&lt;400&gt; 52

Phe Lys Thr Lys Leu Ala Lys Asp Ile Cys Ser Ser Pro Pro Pro Pro  
 1 5 10 15

Cys

<210> 53  
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&lt;400&gt; 53

Cys Pro Pro Pro Pro Ser Ser Phe Lys Thr Lys Leu Ala Lys Asp Ile  
 1 5 10 15

Cys

<210> 54  
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&lt;400&gt; 54

Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Ser Pro Pro Pro Pro  
 1 5 10 15

Cys

<210> 55  
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&lt;220&gt;

&lt;223&gt; spacer/Eotaxin epitope

&lt;400&gt; 55

Cys Pro Pro Pro Pro Ser Ser Ala Asp Pro Lys Lys Lys Trp Val Gln  
 1 5 10 15

Asp

&lt;210&gt; 56

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope/Spacer

&lt;400&gt; 56

Ser Gly Lys Thr Pro Gln Lys Ala Val Ile Ser Ser Pro Pro Pro Pro  
 1 5 10 15

Cys

&lt;210&gt; 57

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; spacer/Eotaxin epitope

&lt;400&gt; 57

Cys Pro Pro Pro Pro Ser Ser Ser Gly Lys Thr Pro Gln Lys Ala Val  
 1 5 10 15

Ile

&lt;210&gt; 58

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Eotaxin epitope/Spacer

&lt;400&gt; 58

Phe Lys Thr Lys Leu Ala Lys Asp Ile Thr Ser Ser Pro Pro Pro Pro  
 1 5 10 15

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Cys

<210> 59  
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<400> 59

Cys Pro Pro Pro Pro Ser Ser Phe Lys Thr Lys Leu Ala Lys Asp Ile  
 1 5 10 15

Thr

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<220>  
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<400> 60

Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Ser Pro Pro Pro Pro  
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Cys

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<220>  
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<400> 61

Cys Pro Pro Pro Pro Ser Ser Ala Asp Pro Lys Lys Lys Trp Val Gln  
 1 5 10 15

Asp